



ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
200 FAIR OAKS LANE, SECOND FLOOR
FRANKFORT, KY 40601
TELEPHONE NUMBER (502) 564-6716

**Construction Progress Report for a
Petroleum Contaminated Soil Treatment Facility
DEP 8064 (April 2011)**

Statutes and regulations may be viewed online at the following website
address: <http://www.lrc.ky.gov/search.htm>

Solid waste application forms are available at the division's Web site at
<http://waste.ky.gov/SWB/Pages/FormsandRegs.aspx>

DWM OFFICAL USE ONLY

AI#: _____

Application #: _____

GENERAL INSTRUCTIONS

- 1. APPLICABILITY** – This form shall be completed and submitted to the cabinet by persons requesting the issuance of an operating permit for a petroleum contaminated soil treatment facility pursuant to KRS 224.40-305; and 401 KAR 47:205, 48:205, 48:206, 48:207, 48:208 and 48:300.
- 2. ASSISTANCE** – Questions regarding this form may be directed in writing to the Division of Waste Management (DWM), Solid Waste Branch at the address listed above or by calling (502) 564-6716.
- 3. SUBMISSION** – Type or print legibly in permanent ink. Submit the original and one (1) copy of the completed form to the DWM at the address listed above. If an item is not applicable to your facility write “N/A” in the space provided.
- 4. LAWS AND REGULATIONS** – Applicants are expected to understand and comply with all applicable laws and regulations.

To assist you in the submittal of a complete and accurate report, the DWM has identified the most common errors. These errors are listed below for your convenience:

1. Failure to complete the report. All maps, attachments, and supplemental data shall be submitted with this report.
2. Failure of the owner or operator to properly sign and notarize the report. An individual with signature authority for the applicant as defined by 401 KAR 47:160, Section 6 shall sign and notarize the appropriate signature sections of the report.
3. Failure to provide appropriate, fully completed attachments. Maps, drawings, narratives, or any attachments that lack sufficient detail or drawings that are not signed, dated, and sealed by a professional engineer or geologist may cause delays in the review and approval of the report.
4. Failure to comply with financial assurance requirements. The owner or operator shall increase the bond to cover the volume of waste on the new biopile liner. Also, if the existing financial assurance is insufficient to fully cover current closure costs for the entire site, updates will be required before the cabinet may issue the operating permit for the newly constructed area.

Construction Progress Report for a Petroleum Contaminated Soil Treatment Facility

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Construction Progress Report for a Petroleum Contaminated Soil Treatment Facility

Type or print your responses legibly in permanent ink.

Operator Information

1. Check one of the following to indicate type of report:

☐ New Report

☐ Modification to an existing biopile liner system

2. Agency Interest #:

3. Permit #: -

4. Petroleum Contaminated Soil Treatment Type:

☐ Biopile

☐ Low-Temperature Thermal Desorption:

☐ Asphalt Plant Aggregate Dryer

☐ Conveyor Furnace

☐ Rotary Dryer

☐ Thermal Screw

5. Operator Name:

The corporation, LLC, business, person, government agency, or similar entity that operates the facility.

6. Operator Mailing Address:

7. City:

8. State:

9. Zip Code:

10. Process Agent:

11. Title:

12. E-Mail Address:

13. Phone #: () - ext.

14. Cell #: () -

15. Fax #: () -



Preparer Information

Complete Items 16 – 26 if the following information concerning the person preparing this application is different from the contact person named in Item 13.

16. Preparers Name:

17. Title:

18. Company:

19. Mailing Address:

20. City:

21. State:

22. Zip Code:

23. E-Mail Address:

24. Phone #: () - ext.

25. Cell #: () -

26. Fax #: () -

Certifying Engineer Information

27. Preparer's Name:

28. Company:

29. Preparer's Professional Engineer registration number:

30. Mailing Address:

31. City:

32. State:

33. Zip Code:

34. E-mail Address:

35. Phone #: () - ext.

36. Cell #: () -

37. Fax #: () -

Well Certifying Information

38. Preparer's Name:

39. Company:

40. Preparer's Professional Geologist or Professional Engineer registration number:

41. Mailing Address:

42. City:

43. State:

44. Zip Code:



45. E-mail Address:

46. Phone #: () - ext.

47. Cell #: () -

48. Fax #: () -

Quality Control and Quality Assurance Documentation
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49. Provide, as **Attachment 1**, the certification letter by the professional engineer pursuant to KRS 322 that the biopile liner system and facilities are constructed in accordance with the approved plans and specifications pursuant to 401 KAR 47:205, Section 3 and 5.
50. If a subcontracting professional engineer or professional geologist is used, provide, as **Attachment 2**, the certification letter by the subcontracted professional engineer or professional geologist stating the portion of the facility under his or her responsibility is constructed in accordance with the approved plans and specifications pursuant to 401 KAR 47:205, Section 3 and 5.
51. Provide, as **Attachment 3**, the soils laboratory test data.
52. Provide, as **Attachment 4**, the nuclear density test data and locations for the soil subgrade.
53. Provide, as **Attachment 5**, the Geosynthetic Clay Liner (GCL) quality assurance certificates or Compacted Clay Liner (CCL) field density tests and locations.
54. Provide, as **Attachment 6**, the synthetic liner quality assurance certificates from the manufacturer.
55. Provide, as **Attachment 7**, the geocomposite quality assurance certificates from the manufacturer.
56. Provide, as **Attachment 8**, the geotextile quality assurance certificates from the manufacturer.
57. Provide, as **Attachment 9**, the subgrade acceptance letter from the synthetic liner installer.
58. Provide, as **Attachment 10**, the trial-weld information from the synthetic liner installer.
59. Provide, as **Attachment 11**, the panel placement forms from the synthetic liner installer.
60. Provide, as **Attachment 12**, the seaming and non-destructive testing forms from the synthetic liner installer.
61. Provide, as **Attachment 13**, the repair report from the synthetic liner installer.

- 62. Provide, as **Attachment 14**, the destructive test results from the synthetic liner installer.
- 63. Provide, as **Attachment 15**, the independent test results from a third party laboratory for each synthetic material used in construction. This includes tests for GCL, synthetic liners, geocomposites, and other similar materials.
- 64. Provide, as **Attachment 16**, the drainage media analyses for gravel or sand used in the leachate collection or final cover drainage system.
- 65. Provide, as **Attachment 17**, the record drawings from the synthetic liner installer.
- 66. Provide, as **Attachment 18**, the record drawings from the professional engineer.
- 67. Provide, as **Attachment 19**, the record cross-sections from the professional engineer.
- 68. Provide, as **Attachment 20**, the record survey data from the professional engineer or professional land surveyor.
- 69. Provide, as **Attachment 21**, the daily progress reports from the professional engineer.
- 70. Provide, as **Attachment 22**, the berm subgrade certification from the professional engineer.
- 71. Provide, as **Attachment 23**, the GCL base subgrade certification from the professional engineer.
- 72. Provide, as **Attachment 24**, the project photographs from the professional engineer.

Groundwater Monitoring Well Attachments and Descriptions

- 73. Provide, as **Attachment 25**, a narrative identifying the installed monitoring wells and the construction methods used in accordance with the approved groundwater and surface water monitoring plan and 401 KAR 48:300, Section 6. Discuss the location, drilling method, borehole diameter, casing size and material, screen, filter pack, bentonite seal, grout, concrete surface pad, protective surface casing, bumper posts, and pertinent details.
- 74. Provide, as **Attachment 26**, a narrative identifying deviations from the well location and monitoring well construction materials and methods specified in the approved groundwater and surface water monitoring plan and 401 KAR 48:300, Section 6. For deviation from the well location and construction methods in the approved plan, provide documentation of DWM approval.
- 75. Complete, in **Attachment 27**, the table containing the AKGWA number, monitoring point identification number, latitude and longitude in degrees, minutes, and seconds; monitored aquifer, top of casing, total depth, screened interval, static water level of each well, and date of completion including development.

76. Provide, as **Attachment 28**, for each well constructed, one (1) completed copy of the form “Uniform Kentucky Monitoring Well Record” (April, 2008).
77. Provide, as **Attachment 29**, a narrative identifying the abandoned monitoring wells and the specific abandonment methods used. Specify the drilling method. Document the removal of the well casing, screen, filter pack, bentonite seal, grout, concrete surface pad, protective surface casing, and bumper posts; and provide pertinent details. Specify the grout used to seal the borehole.
78. Complete, in **Attachment 30**, the table containing the AKGWA number, monitoring point identification number, latitude and longitude in degrees, minutes, and seconds; total depth, borehole grout used, and date of abandonment of each well abandoned.
79. Provide, as **Attachment 31**, for each well abandoned, one (1) completed copy of the form “Uniform Kentucky Well Maintenance and Plugging Record” (April, 2008).

Certification

80. Pursuant to 401 KAR 47:160, Section 6, a person with signature authority such as a sole proprietor, owner, partner, corporate officer, plant manager, LLC member, mayor, county judge executive, or other authorized official shall sign this certification statement.

NOTE: Consultants may not sign the following certification statement.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that KRS 224.99-010(4) provides for penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name of Person Signing (type or print):

Title of Person Signing:

Date: - -

Signature per 401 KAR 47:160: _____

Subscribed and sworn to before me this _____ day of _____, Year 20_____

Notary Public Signature: _____

State of _____ County of _____ My commission expires: _____

